

Example V: Preparation of Polyclonal Antibodies for Passive Protection

[0174] 20 non-transgenic mice are immunized with A β or other immunogen, optionally plus adjuvant, and are euthanized at 4-5 months. Blood is collected from immunized mice. Optionally, IgG is separated from other blood components. Antibody specific for the immunogen may be partially purified by affinity chromatography. An average of about 0.5-1 mg of immunogen-specific antibody is obtained per mouse, giving a total of 5-10 mg.

Example VI: Passive Immunization with Antibodies to A β

[0175] Groups of 7-9 month old PDAPP mice each are injected with 0.5 mg in PBS of polyclonal anti-A β or specific anti-A β monoclonals as shown below. The cell line designated RB44-10D5.19.21 producing the antibody 10D5 has the ATCC accession number PTA-5129, having been deposited on April 8, 2003. All antibody preparations are purified to have low endotoxin levels. Monoclonals can be prepared against a fragment by injecting the fragment or longer form of A β into a mouse, preparing hybridomas and screening the hybridomas for an antibody that specifically binds to a desired fragment of A β without binding to other nonoverlapping fragments of A β .

Table 6

Antibody	Epitope
2H3	A β 1-12
10D5	A β 1-12
266	A β 13-28
21F12	A β 33-42
Mouse polyclonal anti-human A β 42	Anti-Aggregated A β 42

[0176] Mice are injected ip as needed over a 4 month period to maintain a circulating antibody concentration measured by ELISA titer of greater than 1/1000 defined by ELISA to A β 42 or other immunogen. Titers are monitored as above and mice are euthanized at the end